

Multilayer Shrink Film for High Speed Packaging Lines

Abstract of the Disclosure

A multilayer shrink film and methods of making same comprising high speed polyethylenic outer layers along with one or more cyclic-olefin copolymer (COC) containing inner layers. The multilayer shrink films of the invention are produced using film biaxial orienting means, have haze values of 5 or less and Young's modulus of 50,000 psi or greater and superior hot slip properties. In order to achieve the desired modulus, films of the present invention comprise from 10% to 30% COC and from 2% to 25% softening olefin copolymer. Preferably the film comprises large proportion of linear low density polyethylene (LLDPE). Suitable COCs for use in the invention are limited to single site catalyzed COC.